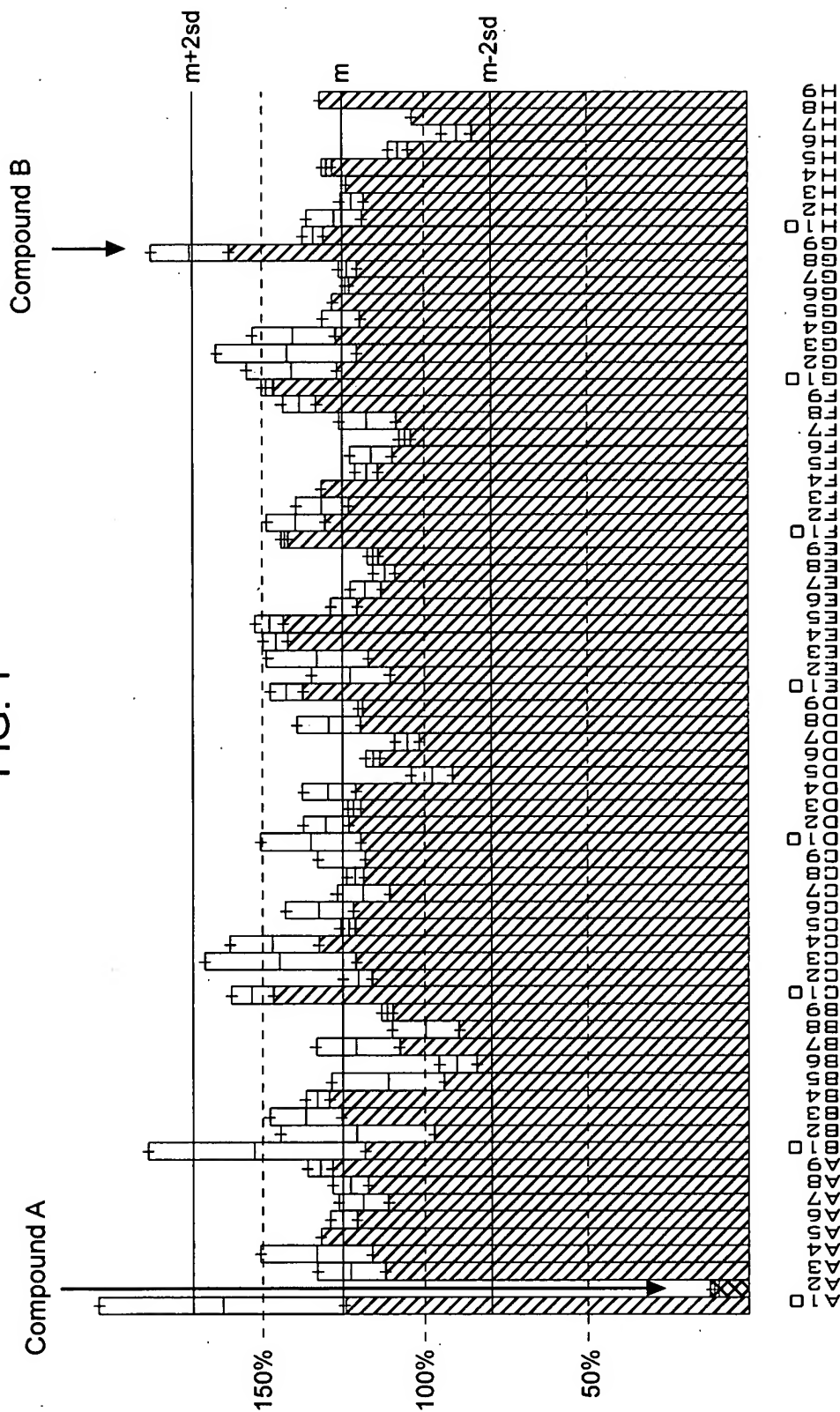


FIG. 1



REPLACEMENT

FIG. 2A

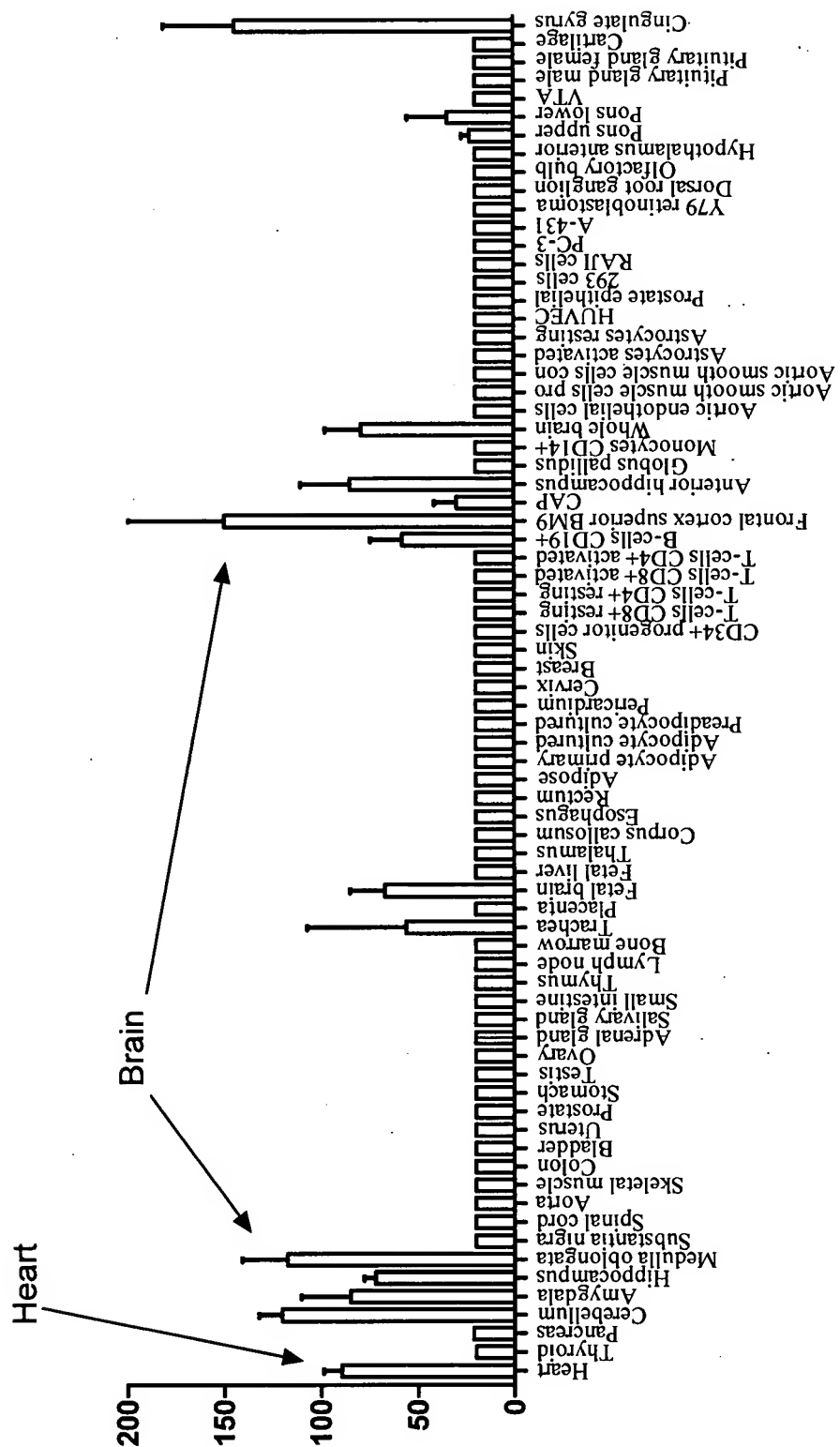


FIG. 2B

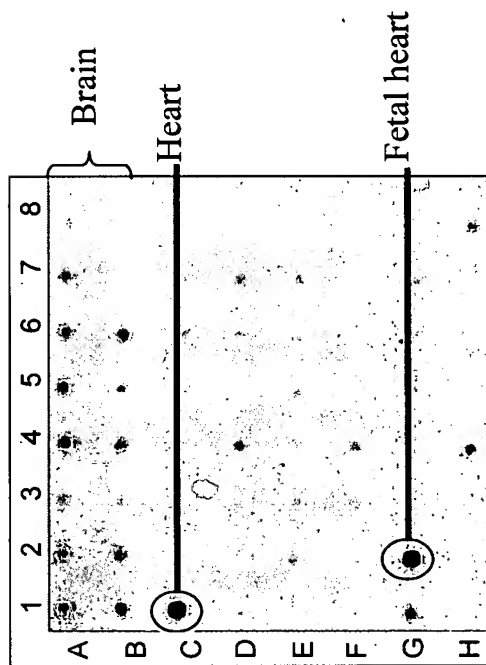


FIG. 2C

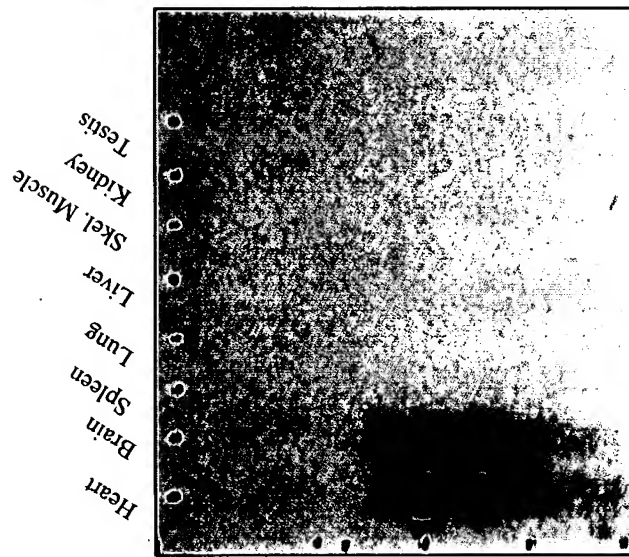


FIG. 3

In Situ Hybridization:
RUP41 Expression in Adult Rat Heart

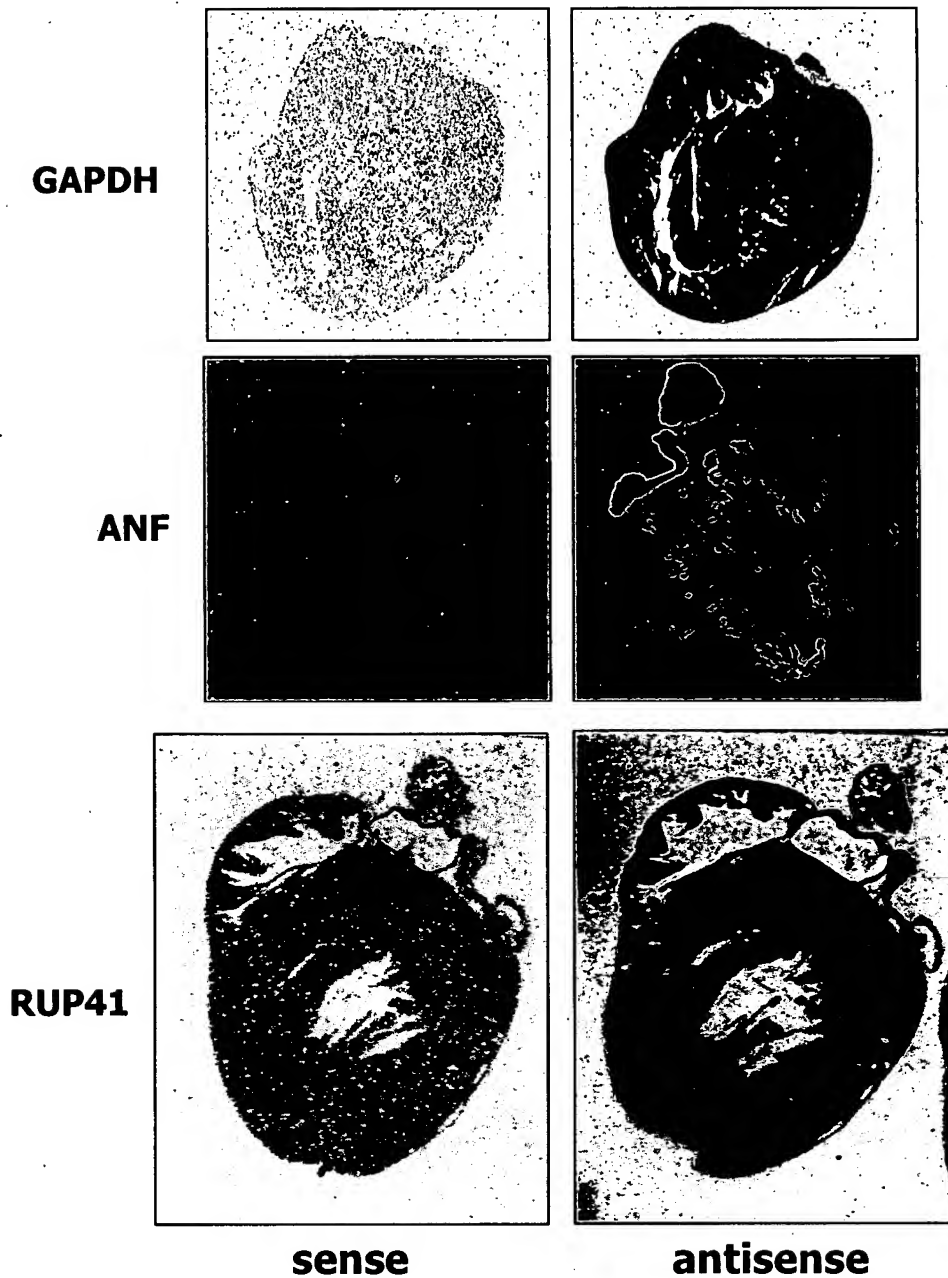


FIG. 4

**Down-Regulation of RUP41 in
Hypertrophied Neonatal Rat Ventricular Myocytes**

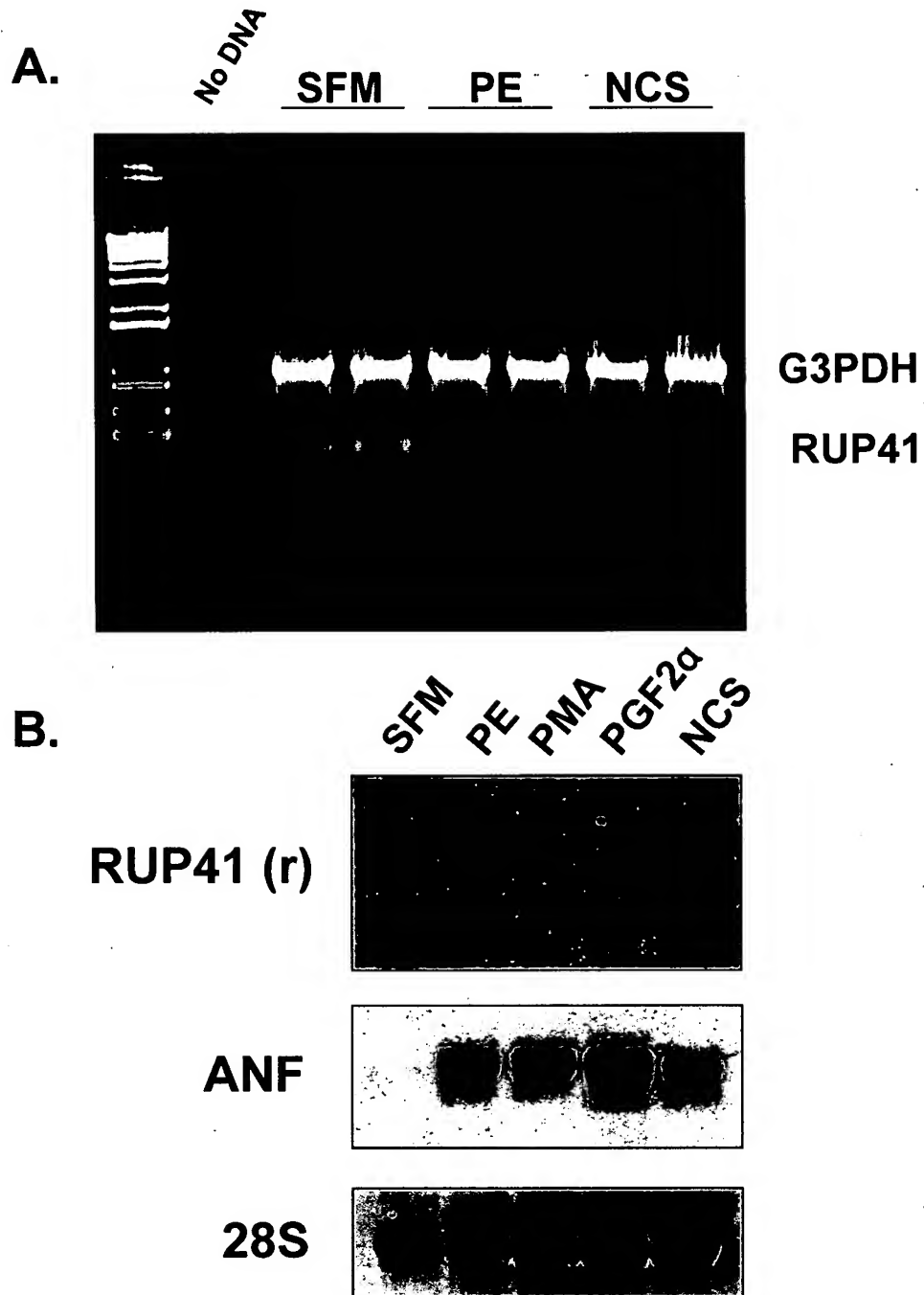


FIG. 5

Down-Regulation of RUP41 in Mouse Hearts
Subjected to Pressure Overload Hypertrophy

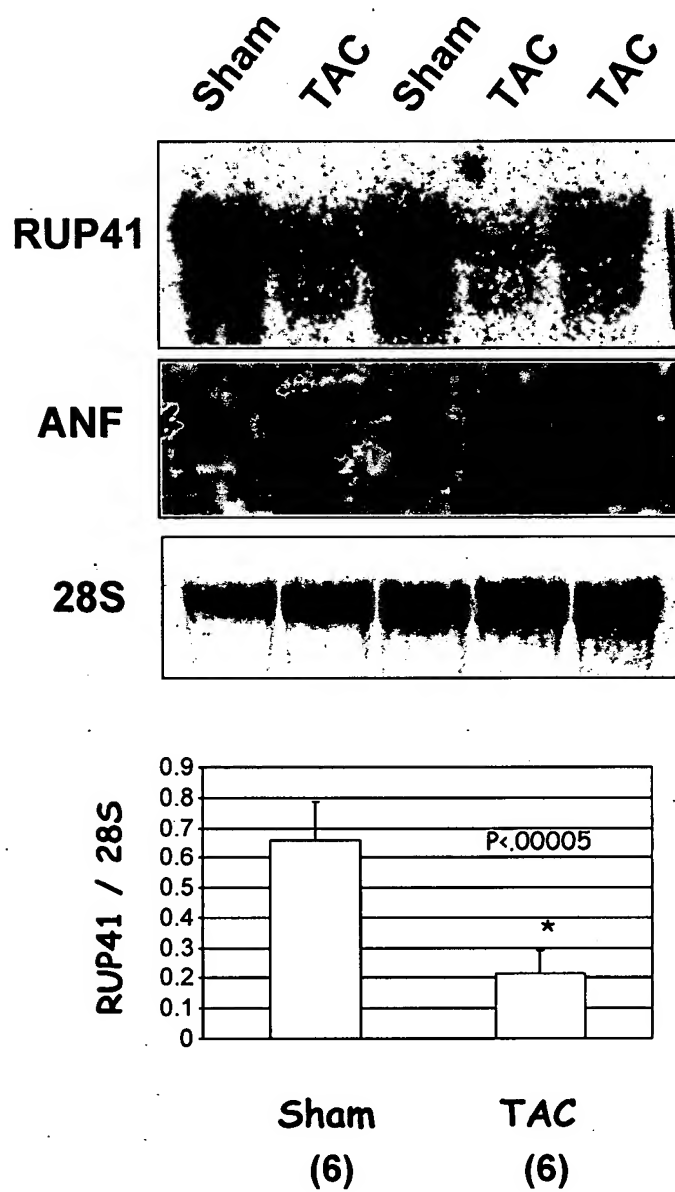


FIG. 6

**Down-Regulation of RUP41
In NRVMs Subjected to Hypoxia**

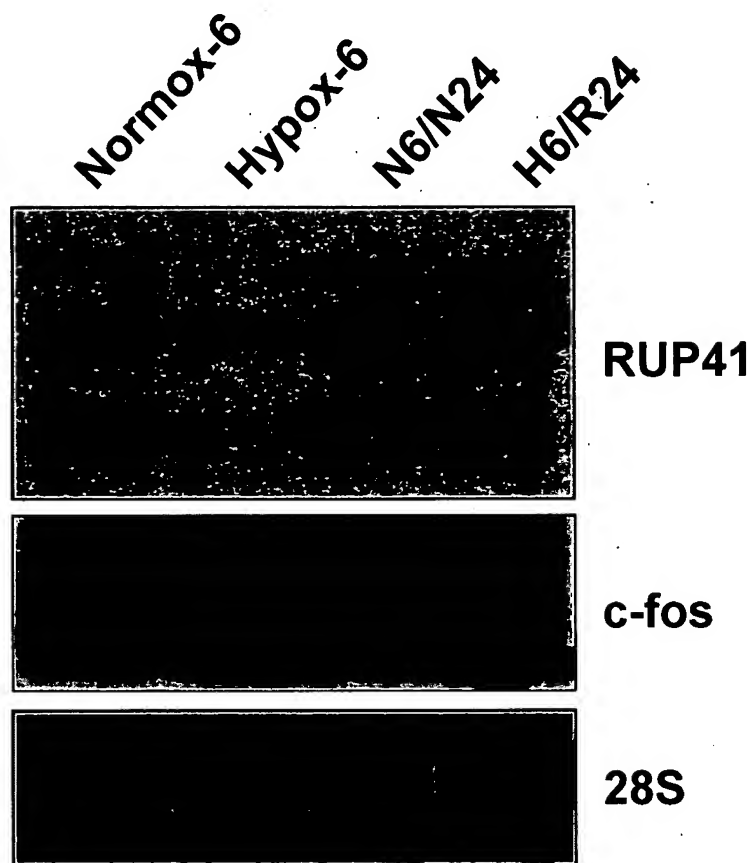
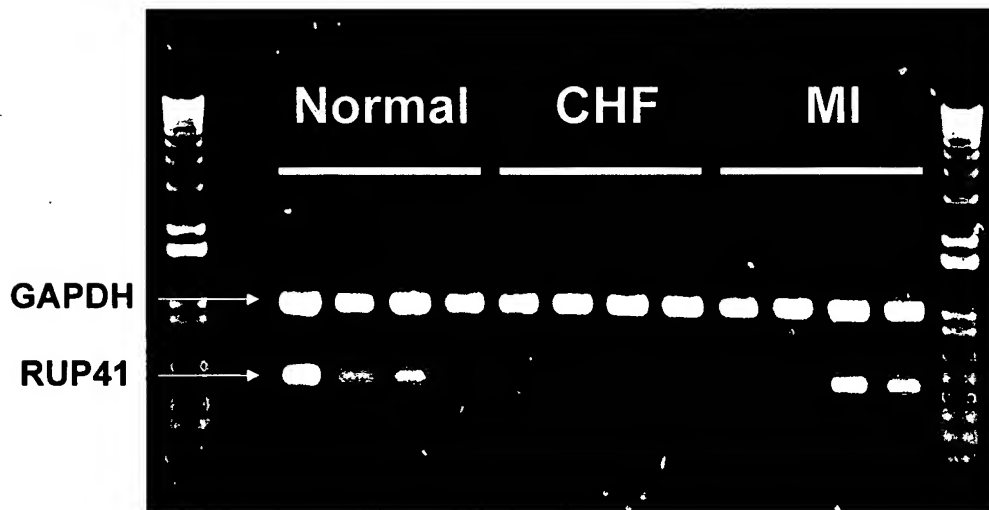


FIG. 7

**Down-Regulation of RUP41
In Humans with Congestive Heart Failure**

A.



B.

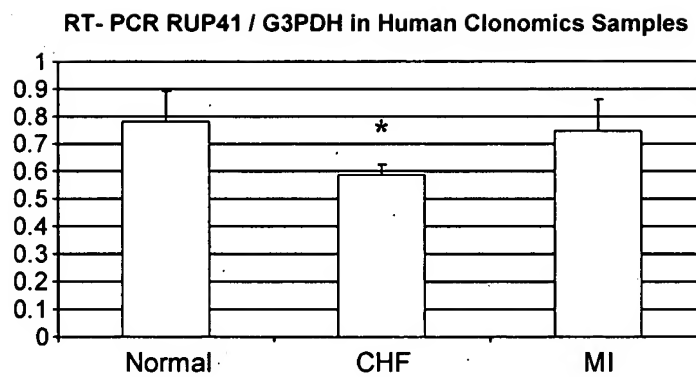


FIG. 8

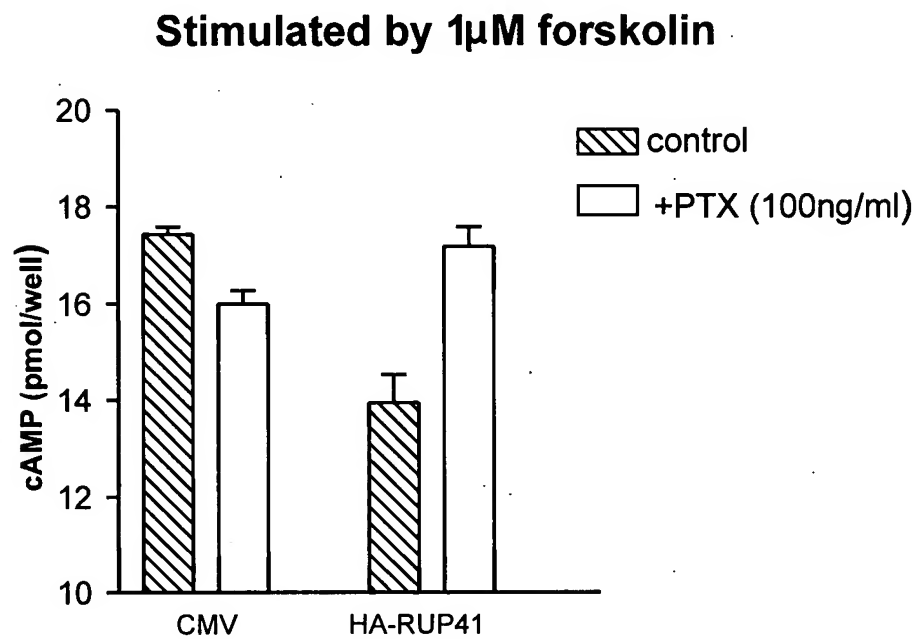
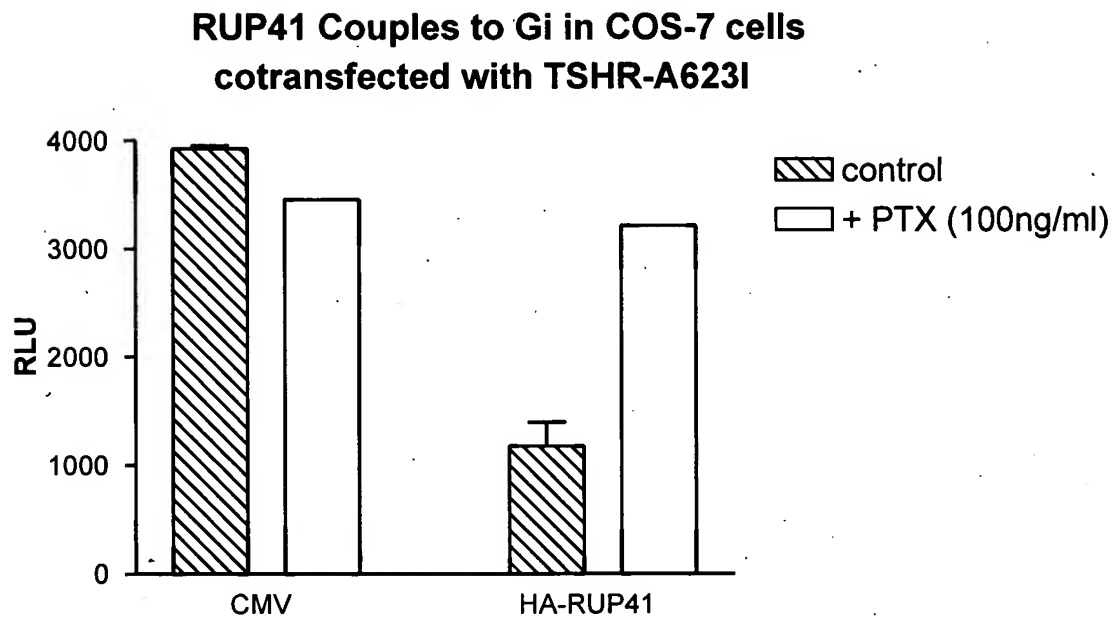
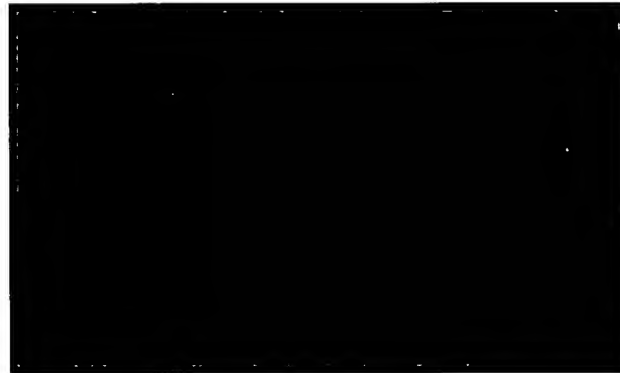


FIG. 9

**Adenovirus-Mediated Over-Expression
Of RUP41 Promotes Survival of NRVMs**

A.

PFU/Cell 0 0.1 0.5 1 2 5 10 20 50 100



Endogenous
RUP41 transcripts

AdRUP41
transcript

B.



No Virus

AdRUP41

FIG. 10

**Over-Expression of RUP41 Rescues NRVMs
From Hypoxia/Reoxygenation Induced Apoptosis**

